



PCT

## RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,794

TIME: 11:24:48

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09142004\J506794.raw

3 <110> APPLICANT: Duncan John MASKELL  
 4 Ian George CHARLES  
 5 Andy ALLEN  
 6 Paul OWEN  
 8 <120> TITLE OF INVENTION: TRANSPOSON  
 10 <130> FILE REFERENCE: 117-522 / N.84806B  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/506,794  
 13 <141> CURRENT FILING DATE: 2004-09-07  
 15 <150> PRIOR APPLICATION NUMBER: PCT/GB03/00918  
 16 <151> PRIOR FILING DATE: 2003-03-05  
 18 <150> PRIOR APPLICATION NUMBER: GB 0222378.2  
 19 <151> PRIOR FILING DATE: 2002-09-26  
 21 <150> PRIOR APPLICATION NUMBER: GB 0205143.1  
 22 <151> PRIOR FILING DATE: 2002-03-05  
 24 <160> NUMBER OF SEQ ID NOS: 18  
 26 <170> SOFTWARE: MS Word  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 2044  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: Artificial Sequence  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: Transposon  
 36 <400> SEQUENCE: 1  
 37 ctgtctcttta tacacatctc ttctatagtg tcacctaaat agggataaca gggtaaatgaa 60  
 38 ttcgttaata cagatgtagg tgttccacag ggtagccagc agcatcctgc gatgcagatc 120  
 39 cggatgccat ttcattacct ctttctccgc acccgacata gatccgaaga tcagcagttc 180  
 40 aacctgttga tagtacgtac taagctctca tgtttcacgt actaagctct catgtttaac 240  
 41 gtactaacgt ctcatgttta acgaactaaa ccctcatggc taacgtacta agctctcatg 300  
 42 gctaacgtac taagctctca tgtttcacgt actaagctct catgtttgaa caataaaatt 360  
 43 aatataaatc agcaacttaa atagcctcta aggttttaag ttttataaga aaaaaaagaa 420  
 44 tatataaggc ttttaaagct ttttaaggttt aacggttggtg gacaacaagc cagggatctg 480  
 45 ccatttcatt acctctttct ccgcacccga catagatccg gaacataatg gtgcagggcg 540  
 46 ctgacttccg cgtttccaga ctttacgaaa cacggaaacc gaagaccatt catgttggtg 600  
 47 ctgaggtcgc agacgttttg cagcagcagc cgcttcacgt tcgctcgcgt atcggtgatt 660  
 48 cattctgcta accagtaagg caaccccgcc agcctagccg ggctcctaac gacaggagca 720  
 49 cgatcatgcg caccgctggc caggacccaa cgctgcccga gatgcgccgc gtgcggctgc 780  
 50 tggagatggc ggacgcgatg gatatgttct gccaaaggtt ggtttgcgca ttcacagggt 840  
 51 gtctcaaaat ctctgatgtt acattgcaca agataaaaaat atatcatcat gaacaataaa 900  
 52 actgtctgct tacataaaca gtaatacaag ggggtgttatg agccatattc aacgggaaac 960  
 53 gtcttgctcg aggcgcgat taaattccaa catggatgct gatttatatg ggtataaatg 1020  
 54 ggctcgcgat aatgtcgggc aatcaggtgc gacaatctat cgattgtatg ggaagcccga 1080  
 55 tgcgcagag ttgtttctga aacatggcaa aggtagcgtt gccaatgatg ttacagatga 1140  
 56 gatggtcaga ctaaactggc tgacggaatt tatgcctctt ccgaccatca agcattttat 1200

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57 ccgtactcct gatgatgcat gggtactcac cactgcatc cccggaaaaa cagcattcca 1260
58 ggtattagaa gaatatcctg attcaggtga aaatattgtt gatgcgctgg cagtgttcct 1320
59 gcgcgggttg cattcgattc ctgtttgtaa ttgtcctttt aacagcgatc gcgtatttcg 1380
60 tctcgctcag gcgcaatcac gaatgaataa cggtttggtt gatgcgagtg attttgatga 1440
61 cgagcgtaat ggctggcctg ttgaacaagt ctggaaagaa atgcataaac ttttgccatt 1500
62 ctaccggat tcagtcgtca ctcatggtga tttctcactt gataacctta tttttgacga 1560
63 ggggaaatta atagggttga ttgatgttg acgagtcgga atcgagacc gataccagga 1620
64 tcttgccatc ctatggaact gcctcggtga gttttctcct tcattacaga aacggctttt 1680
65 tcaaaaatat ggtattgata atcctgatat gaataaattg cagtttcatt tgatgctcga 1740
66 tgagtttttc taatcagaat tggtaattg gttgtaacac tggcagagca ttacgctgac 1800
67 ttgacgggac ggcggctttg ttgaataaat cgaacttttg ctgagttgaa ggatcagatc 1860
68 acgcattctc ccgacaacgc agaccgttcc gtggcaaagc aaaagttcaa aatcaccaac 1920
69 tgggtccacct acaacaaagc tctcatcaac cgtggcgggg atcctctaga gtcgactggc 1980
70 aaacagctat tatgggtatt atgggtaata cgactcacta tagggagatg tgtataagag 2040
71 acag 2044
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 85
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Oligonucleotide
82 <400> SEQUENCE: 2
83 cagctgtctc ttatacacat ctccctatag tgagtcgtat taccataat acccataata 60
84 gctgtttgcc agtcgactct agagg 85
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 80
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Oligonucleotide
95 <400> SEQUENCE: 3
96 cagctgtctc ttatacacat ctcttctata gtgtcaccta aatagggata acagggtaat 60
97 gaattcggtta atacagatgt 80
100 <210> SEQ ID NO: 4
101 <211> LENGTH: 24
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Oligonucleotide
108 <400> SEQUENCE: 4
109 ctaccctgtg gaacacctac atct 24
112 <210> SEQ ID NO: 5
113 <211> LENGTH: 24
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Oligonucleotide
120 <400> SEQUENCE: 5
121 attacctctt tctccgacc cgac 24

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124 <210> SEQ ID NO: 6
125 <211> LENGTH: 24
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Oligonucleotide
132 <400> SEQUENCE: 6
133 cgacatagat ccggaacata atgg 24
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 25
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Oligonucleotide
144 <400> SEQUENCE: 7
145 acctacaaca aagctctcat caacc 25
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 24
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Oligonucleotide
156 <400> SEQUENCE: 8
157 acaacctatt aatttcccct cgtc 24
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 24
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Oligonucleotide
168 <400> SEQUENCE: 9
169 atgttggaat ttaatcgagg cctc 24
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 39
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Oligonucleotide
180 <400> SEQUENCE: 10
181 gacgacctca gttacggtag gatcgggcac gtagcttat 39
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 35
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Oligonucleotide
192 <400> SEQUENCE: 11
193 gctacgtggc cgatcgtagc gtaactgagg tcgtc 35
196 <210> SEQ ID NO: 12

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197 <211> LENGTH: 41
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Oligonucleotide
204 <400> SEQUENCE: 12
205 taacagggttg gctgataagt ccccggtctc cctatagtga g          41
208 <210> SEQ ID NO: 13
209 <211> LENGTH: 42
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Oligonucleotide
216 <400> SEQUENCE: 13
217 taacagggttg gctgataagt ccccggtctc ttctatagtg tc          42
220 <210> SEQ ID NO: 14
221 <211> LENGTH: 25
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Oligonucleotide
228 <400> SEQUENCE: 14
229 gatatcgaag caaacttaag agtgt          25
232 <210> SEQ ID NO: 15
233 <211> LENGTH: 25
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Oligonucleotide
240 <400> SEQUENCE: 15
241 gatatctaca aaagcgactc ataga          25
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 25
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Oligonucleotide
252 <400> SEQUENCE: 16
253 aagatactgc actatcaaca cactc          25
256 <210> SEQ ID NO: 17
257 <211> LENGTH: 25
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Oligonucleotide
264 <400> SEQUENCE: 17
265 attaagaagg agtgattaca tgaac          25
268 <210> SEQ ID NO: 18
269 <211> LENGTH: 25

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270 &lt;212&gt; TYPE: DNA

271 &lt;213&gt; ORGANISM: Artificial Sequence

273 &lt;220&gt; FEATURE:

274 &lt;223&gt; OTHER INFORMATION: Oligonucleotide

276 &lt;400&gt; SEQUENCE: 18

277 tagccagttt cgtcgttaaa tgccc

25

VERIFICATION SUMMARY

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number